CLAIMS

1. A map information creating device comprising:

a geometry data extracting unit that extracts geometry data from map information including a three-dimensional object indicating three-dimensional geometry configured by width, height, and length, the geometry data including a cross-section constituted of at least the width and the height of the three-dimensional object; and

a creating unit that creates a three-dimensional

10 object having geometry identical to that of the threedimensional object based on the geometry data extracted by
the geometry data extracting unit.

2. The map information creating device according to claim 15 1, further comprising a length information extracting unit that extracts information on length of the threedimensional object from data including information on the length, wherein

the creating unit creates the three-dimensional object
having geometry identical to that of the three-dimensional
object further based on the information on length extracted
by the length information extracting unit.

The map information creating device according to claim
 1 or 2, further comprising a link-length information
 extracting unit that extracts, from network data of a road

to which a plurality of links are connected, link length information on length of a link as the information on length, wherein

the creating unit creates the three-dimensional object having geometry identical to that of the three-dimensional object further based on the link length information extracted by the link-length information extracting unit.

4. The map information creating device according to claim 10 1 or 2, further comprising a link-direction information extracting unit that extracts, from the network data of a road to which a plurality of links are connected, link direction information on direction of a link, wherein

the creating unit creates the three-dimensional object having geometry identical to that of the three-dimensional object further based on the link direction information extracted by the link-direction information extracting unit.

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5. The map information creating device according to claim
20 1 or 2, further comprising a texture information extracting
unit that extracts texture information including a texture
drawn on an arbitrary surface of the three-dimensional
object, drawing cycle information on a drawing cycle of the
texture, and information on a representative color of the
25 arbitrary surface from the three-dimensional object in the
map information, wherein

the creating unit creates the three-dimensional object having geometry and texture identical to those of the three-dimensional object in the map information based on the texture information extracted by the texture information extracting unit.

6. The map information creating device according to claim 1 or 2, wherein

the creating unit includes a detecting unit that

detects whether a first end-face-geometry data representing
an end face of one of the three-dimensional object created
by the creating unit and a second end-face-geometry data
representing an end face of another third-dimensional
object other than the one of the three-dimensional object

intersect with each other, and

the creating unit creates a complementary threedimensional object that complements between the one of the
three-dimensional object and the other of the threedimensional object by carrying out drawing such that peaks
of the first end-face-geometry data and the second endface-geometry data are extended, based on a result of
detection by the detecting unit.

7. A map information creating method comprising:

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a geometry data extracting step of extracting geometry data from map information including a three-dimensional

object indicating three-dimensional geometry configured by width, height, and length, the geometry data including a cross-section constituted of at least the width and the height of the three-dimensional object; and

- a creating step of creating a same geometry object having geometry identical to that of the three-dimensional object based on the geometry data extracted at the geometry data extraction step.
- 10 8. A map information creating program causing a computer to execute the map information creating method according to claim 7.